

From: [Aram Varjabedian](#)
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Subject: RE: Incident Notice - Diffused Aeration System mechanical failure 06-11-20 - Hull, MA - MA0101231 - Hull WPCF, 1111 Nantasket Ave., Hull, MA
Date: Friday, June 12, 2020 8:04:37 AM
Attachments: [diffuser_aer1.jpg](#)
[061120-2.jpg](#)
[061120-6.jpg](#)
[image002.png](#)

Good morning:

At approximately 11:20 am on 6/11/20, a diffused aeration header pipe let go in aeration tank #1, causing the pipe to get raised up to the surface, which then caused mixed liquor solids to be sprayed out onto the immediate area around the #1 aeration tank. When seen by the operations staff, the aeration blower was immediately shut down at about 11:30am. The affected area was limited to around aeration tank #1 and driveway area in between the aeration tank and primary tank #2. A nearby catch basin was covered with a magnetic spill blocking mat as a precaution, and no liquid made its way to the catch basin.

The liquid material that was sprayed out [approximately 50-75 gallons] on the adjacent ground area was vacuumed up by a Green Mountain Pipeline Services vector truck around 1:30pm. All surfaces were washed down and the wash water vacuumed up.

The details of the incident, are being reported as an "incident notice," which is consistent with other similar incidents that have been reported in the past. Attached are photos of the broken diffuser and affected area before and after the clean-up.

The aeration tank was isolated from service yesterday, and the mixed liquor transferred to another aeration tank. Additional tank cleaning will be needed, in order to assess the piping failure, and to perform the necessary repairs. This work will take place next week.

The incident will be reported in greater detail using the DEP SSO notification report form in a follow-up email. Should you have any questions, please let me know.

Sincerely,

Aram

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